



Study of Nonlinear Optical and Structural Properties of Organometallic Complexes

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Auteur	Luc, Jérôme [1], Niziol, Jacek [2], Sniechowski, Maciej [3], Sahraoui, Bouchta [4], Fillaut, Jean-Luc [5], Krupka, Oksana [6]
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Résumé en anglais	In the frame of this work, we studied organometallic complexes in form of thin films oriented by corona poling. We report measurements of second and third-order nonlinear optical properties (NLO) obtained by SHG and THG techniques. For each compound studied, we determine the electronic contribution of the effective second and third-order nonlinear susceptibilities. Finally, we use X-ray diffraction to study structure of these compounds, induced by corona poling.
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